

Date: Sat, 27 Nov 93 22:40:33 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #1394  
To: Info-Hams

Info-Hams Digest                      Sat, 27 Nov 93                      Volume 93 : Issue 1394

Today's Topics:

6 Meter Transceiver Advice ? ? ?  
    Calculating SWR  
    Emergency use of modified HT  
    FT530 receiver problems??  
    HAM radio question pools  
    Heathkit parts?  
    Is my Kenwood TH78 dead?  
    Kenwood TS-440-S FOR SALE  
    RADIO SHACK / INTERNET  
    Using modified HT in emergency  
    VK2SG RTTY DX Notes, 26 N  
WANTED: comments on IC-4SRA HT (2 msgs)  
    What is RATT ?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: Sat, 27 Nov 1993 15:21:36 GMT  
From: gsm001!gsm001.mendelson.com!gsmlrn@uunet.uu.net  
Subject: 6 Meter Transceiver Advice ? ? ?  
To: info-hams@ucsd.edu

In article <2d6k02\$j7t@news.delphi.com>  
    stevebj@news.delphi.com (STEVEBJ@DELPHI.COM) writes:

taylorjh@wmvx.dnet.dupont.com (John H. Taylor - K3ZKA) writes:

>>I am interested in getting a pair of used 6 meter transceivers for my  
>>father (KD4BWR) and myself; he is a no-code tech and we will use them for  
>>scheds.

>>Would like to know what would be a good, economical choice?

>Six meter rigs are fairly rare, and usually sucked up quick at hamfests.  
>One pretty good option is to get some commercial two-way radios, that were  
>previously tuned on a frequency in the high end of the low-VHF range  
>(40-50 MHz), and recrystal them and retune for the ham band. I've had  
>lots of good succes with Motorola Motracs and others.

Note that these are FM and therefore limited in range (except via repeaters).

I was able to pick up a pair of Yaesu ft620b's at a hamfest for \$300. These  
are all solid state, but the are old enough to be am/cw/ssb without fm. They  
run about 10 watts pep on ssb.

I have a verticle antenna (about 20db loss when the xmit antenna is  
horiz) and I can work some of the local hams with horizontal beams on 6  
meters.

I was able to hear WA0KBZ last meek. He is in Cuba, Missouri  
and I am in Philadelphia (about 1200 miles). He was using 10 watts and  
6 element beam. I was using 10 watts and a dipole. He could not hear  
me. :-( This was, of course the day before I put up the antenna. It was  
sitting in the box at the time.

With 10 watts and beam you should be able to work 100 miles or so with no  
problem. If you have an swr meter that works on 6 meters, you might want to  
try an old tv beam.

BTW, If you think it is hard to find people to talk to you on 2m ssb, try  
6m ssb.

73,

Geoff.

--

I used to talk to myself..... Now that I am a ham, I send code to myself:

.... --- -.--- - .... .. ---. ...- -.--- .. ..... -.--- .. . -.--- -.---.---

Geoffrey S. Mendelson N30WJ (215) 242-8712 gsm@mendelson.com

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Date: Fri, 26 Nov 1993 20:08:16 GMT  
From: news2.uunet.ca!uunet.ca!lhaven.UUmh.Ab.Ca!combdyn!lawrence@uunet.uu.net  
Subject: Calculating SWR  
To: info-hams@ucsd.edu

How do you calculate SWR? I have a power meter...and I can measure the forward and reflected power. How to I take the two values to determine the SWR?

Right now I have forward power of 5 Watts and reflected power of 0.1 Watts, what SWR would that correspond to?

--

--EMAIL-----PHONE-----FAX-----  
| WORK: lawrence@combdyn.com | (403)529-2162 | (403)529-2516 | CallSign  
| HOME: dreamer@lhaven.uumh.ab.ca | (403)526-6019 | (403)529-5102 | VE6LKC

-----  
disclamer = (working\_for && !representing) + (Combustion Dynamics Ltd.);

-----  
Date: Wed, 24 Nov 1993 23:52:49 GMT  
From: spsgate!mogate!newsgate!nuntius@uunet.uu.net  
Subject: Emergency use of modified HT  
To: info-hams@ucsd.edu

In article <CGyoF6.7zv@news.Hawaii.Edu> Jeff Herman,  
jherman@uhunix3.uhcc.Hawaii.Edu writes:

>If the ARRL were to get involved in defending hams to the FCC your  
>membership dues would be 10X what they currently are. {There was  
>an article from the ARRL many months ago discussing this very topic -  
>quite a bit of their budget goes for legal defense as I recall -  
>someone please amplify this.}

Jeff,

Jim didn't advocate an expenditure of budget in any real sense. He and I feel some well placed phone calls and a written press release can make a large stink in the San Diego community. If you don't think Public Opinion counts look at the grief Janet Reno puts up with. This doesn't require a major effort, just a few calls. The time spent in expressing the opinion of hams around the country (from what I read on the original thread most hams felt it was a stupid act) would be well spent. But maybe a PUBLIC statement might be a bit strong from a national organization.

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Date: 18 Nov 1993 10:28:22 -0800



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Date: 20 Nov 93 16:00:03 GMT  
From: news.columbia.edu!psinnntp!psinnntp!arrl.org@rutgers.rutgers.edu  
Subject: Heathkit parts?  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, silver@seviche.med.yale.edu (Scot Silverstein M.D.)  
writes:

>Are Heath parts still available now that the company has left the kit  
>field?

>I need a new cabinet for an HR1680 rcvr, and the plastic dial scale as  
>well, to restore the cosmetics of my hamfest acquisition. (\$40!)

file: heathpts.txt updated November 6, 1992

Heathkit parts:

It took me several phone calls and transfers to get a direct phone number  
for Heathkit parts. Let me share this with you all.

Heath Order Desk  
455 Riverview Dr  
Benton Harbor MI 49022  
616-925-5899

info de KA1CV  
-----

Asked recently if Heath was still providing 10-meter-modification  
information for the SB-1000 linear amplifier, I did some research  
via telephone and learned that technical consultation on Heath  
products over 1 year old--that is, out of warranty--will cost you  
\$5 for the first 5 minutes and 75 cents per each additional  
minute. "Have your VISA or MasterCard ready."

I got this by stepping through the telephone tree accessible  
through Heath's "Technical Consultants" number (616-925-4914,  
Mon-Fri 8A-4:30P ET). I got this number from the recent Heath  
catalog with a cover sheet headlined "Heath Alive and Well--Shifts  
Business Focus from Kits to Education." Other phone numbers and  
info of possible use in that catalog include

"order by phone 24 hours a day" 1-800-253-0570 (Mon-Fri 8A-5P ET  
to check on an order already placed)

"...by fax...." 1-616-925-4876

"...by mail" PO Box 8589, Benton Harbor MI 49023

"...through CompuServe..." "FREE CONNECT TIME for Heath shoppers.  
Place your order right from your computer. Type GO HTH at any ! or  
OK prompt for instant viewing of the Heath online catalog."

Customer service, Mon-Fri, 8A-5P ET 1-800-253-5700 "to check on an  
order already placed or for answers to questions about returns and  
exchanges"

Parts Replacement and Service Mon-Fri 8A-5P ET 1-800-253-0570  
("please have the part number ready when you call. To inquire  
about product service,, call 1-616-925-3273, Mon-Fri 8A-4:30P ET")

Catalog subscription: "To order a FREE Heath Catalog, 1-800-44-  
HEATH 24 hours day 7 days a week."

\* \* \*

Bill Johnson, president of Heath Company, elsewhere on that cover  
sheet: "I think our kits are going to be missed out there and I  
know we're going to miss making and selling them. But there's a  
time for all things in this world, and the time for electronics  
kits is over--at least for now. But who knows? Maybe they'll come  
back--like rock 'n' roll or skinny ties."

The members and HQ staff would like to thank the following people for  
their contributions to this information file:

KA1CV  
WJ1Z

Send any additional information or changes to ehare@arrl.org.

73 from ARRL HQ.

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Ed Hare, KA1CV  
American Radio Relay League  
225 Main St.  
Newington, CT 06111  
(203) 666-1541 - voice  
ARRL Laboratory Supervisor  
RFI, xmtr and rcvr testing  
-----

ehare@arrl.org

If you tie a strip of colored cloth to  
part of your body, the tribe acts  
differently!

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Date: Tue, 23 Nov 1993 20:16:38 GMT  
From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!  
cs.umd.edu!uchinews!cdsmaill!bml4380.cpg.cdc.com!molson@network.ucsd.edu  
Subject: Is my Kenwood TH78 dead?  
To: info-hams@ucsd.edu

There is a warning on some of the rig mod bulletin boards about this. The problem is that pins on the back side of the PCB that is mounted on the front half of the TH78 can come into contact with the volume control housings mounted on the PCB on the other half of the unit. My radio had this problem until I put electrical tape across these housings. Symptoms were: Display blanking momentarily and the unit power cycling, sometimes causing memory erase, when pressure was applied to the front of the unit or to the volume controls. I originally thought that it was a loose battery connection, until I read the message on the bulletin board.

Open up the radio and you will see what I mean, if the above explanation is confusing (I just reread it, and it confused me). Believe me, the fix is simple and it works.

Mark Olson    AA0MH

-----  
Date: Fri, 26 Nov 1993 14:10:37 GMT  
From: netcomsv!netcom.com!toddwulf@decwrl.dec.com  
Subject: Kenwood TS-440-S FOR SALE  
To: info-hams@ucsd.edu

I have a Kenwood TS-440-S for saale with 200 watt Power Supply. Any offers?  
--

toddwulf@netcom.com

-----  
Date: 25 Nov 1993 00:14:20 GMT  
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!usenet.ins.cwru.edu!  
news.yzu.edu!yfn.yzu.edu!at286@network.ucsd.edu  
Subject: RADIO SHACK / INTERNET  
To: info-hams@ucsd.edu

Does Radio Shack have an Internet address?

Merle

Still waiting for my license...

at286@yfn.ysu.edu  
rutschke@sendit.nodak.edu

-----  
Date: Thu, 25 Nov 1993 02:39:43 -0600  
From: ucsnews!sol.ctr.columbia.edu!math.ohio-state.edu!news.acns.nwu.edu!  
elvex65.acns.nwu.edu!user@network.ucsd.edu  
Subject: Using modified HT in emergency  
To: info-hams@ucsd.edu

In article <753716039.AA01350@rochgte.fidonet.org>,  
David.Stark@p2.f333.n2613.z1.fidonet.org (David Stark) wrote:

> > From: nimtz.1@nd.edu (Rick Nimtz)  
> > Organization: Univ of Notre Dame  
>  
> > wasn't so lucky. The sheriff department had him state that he used the  
> > police frequency illegally and persuaded him to surrender his modified  
> > HT. It was not mentioned if the FCC got involved or not.  
>  
> Oh, no, not this again. :-)  
>  
> It is unfortunate that hams who take chances like the above aren't  
> familiar with the laws under which we operate. For example, the Sheriff had  
> no business confiscating a radio. That is Justice Department jurisdiction.  
> They most especially had no business confiscating property if they filed no  
> criminal charges. That is "unreasonable search and seizure". And, ref the  
> above statement, they can't file criminal charges because violations of FCC  
> regulations are a Federal prerogative.

Just a quick note. Peace Officers(i.e. county sheriffs, municipal  
police officers, etc.) can make arrest for Federal offenses. Case law will  
prove up this point. The offender and evidence are then turned over to the  
Justice Department for prosecution. Additionally, property can be  
confiscated without criminal charges being filed. It's done legally every  
day.

>  
> Somebody should advise this ham to get a lawyer and sue for the return of  
> his transceiver. The only regulations violated were use of a  
> non-type-accepted transmitter on a Part 90 channel, and transmitting without  
> the proper license for the frequency used. Neither of those violations can be  
> prosecuted by a local police agency. Also, he could make a case in his own  
> defense for "emergency" use of the frequency for a bona fide emergency. (He  
> should have notified the FCC Engineer in Charge of his radio district of the  
> emergency asap after it happened, to protect himself.)



--

Jeff S. Burklin  
N9UVB  
E-Mail: chriskel@merle.acns.nwu.edu

-----  
Date: 28 Nov 93 01:24:00 GMT  
From: library.ucla.edu!agate!doc.ic.ac.uk!uknet!ernie.almac.co.uk!almac!  
martin.briscoe@network.ucsd.edu  
Subject: VK2SG RTTY DX Notes, 26 N  
To: info-hams@ucsd.edu

-> I would like to repeat some comments already made before. It concerns  
-> the removal of the Bulletin Identification Number of the notes. During  
-> the week I received from Spain notes which I edited a month ago. The  
-> BID number has been removed and replaced with a local

I sometimes import some of the packet bulletins on this newsgroup into my  
BBS but I always have to import from my own call - or the originating  
station would appear in White Pages with my BBS as his address.

Why can't the various people putting packet bulletins here leave one line  
of the packet header - so that the White Pages will pick up the correct  
address and also anyone wanting to reply can use SendReply ?

i.e. SB xxxx @ xxxxx < xxxxx \$xxxxx  
Title  
R:931126/2234Z @xxxxxx or whatever it is

\* RM 1.2 00964 \* Martin Briscoe - Inverness-shire - Scotland

-----  
Date: 28 Nov 1993 01:45:08 GMT  
From: galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!  
howland.reston.ans.net!noc.near.net!news.delphi.com!tedtrost@network.ucsd.edu  
Subject: WANTED: comments on IC-4SRA HT  
To: info-hams@ucsd.edu

>From everything I've read about it, it seems to be  
>continuous coverage. Is this true?

I bought my IC-2SRA about two years ago, and there are no gaps in coverage.  
I don't know what effect the laws "protecting" cellular phone conversations  
have had on recent models.

Ted Trost

Internet: tedtrost@delphi.com Delphi: TEDTROST CompuServe: 71175,1043  
Amateur Radio call pending.

-----  
Date: Sat, 27 Nov 1993 15:06:08 GMT  
From: gsm001!gsm001.mendelson.com!gsmlrn@uunet.uu.net  
Subject: WANTED: comments on IC-4SRA HT  
To: info-hams@ucsd.edu

In article <WY1Z.93Nov26172118@splinter.coe.northeastern.edu>  
    wylz@splinter.coe.northeastern.edu (Scott Ehrlich) writes:

>As I continue to budget my money, I am beginning to eye the ICOM IC-4SRA HT.  
>  
>I'd really like to know the performance of the wide-coverage receive  
>side of the radio. From everything I've read about it, it seems to be  
>continuous coverage. Is this true?

Look at the w2a. The receiver coverage is the same, but since there is no  
fm/am switch, the choice is fixed by the factory. This prevents you from  
listening to your favorite FM broadcast station :-(

You only have one antenna instead of 2 (throw away ICOM's and get a  
Larson or similar) and you get 2m/440 xmit too.

As for frequency coverage, I have received aircraft on the 108-136 band,  
and 902 mhz band repeaters (there is one at about 925 around here).

A friend has received his fire company on about 46mhz on one, but I have never  
heard anything on 6 meters on mine.

Note that a "mod" has to be performed to open the receiver and that the  
coverage is NOT CONTINUOUS.

Now that has been said to appease the legal people, the mod is via keyboard  
and the coverage is about 40mhz to 300mhz on 2 meters and 300 to 9?? on  
the 440 side.

73,

Geoff.

--

I used to talk to myself..... Now that I am a ham, I send code to myself:

Geoffrey S. Mendelson N30WJ (215) 242-8712 gsm@mendelson.com

Date: Tue, 23 Nov 1993 01:27:02 GMT  
From: munnari.oz.au!spool.mu.edu!howland.reston.ans.net!darwin.sura.net!  
perot.mtsu.edu!raider!theporch!jackatak!martinbw@network.ucsd.edu  
Subject: What is RATT ?  
To: info-hams@ucsd.edu

jdelancy@tecnet1.jcte.jcs.mil writes:

>  
> >Kevin Anderson, kb9iua, asks:  
> >  
> >Is RATT another way to talk about RTTY (and derivative) modes?  
> >Does it stand for "radio amateur teletype" by any chance  
>  
> Depends on who you want to listen to. Some say that one  
> was the Navy's way of saying radio teletype and the other  
> was the rest of DoD's way.

I do not know the origin but when I was in the Army (10 years ago) our  
Radio teletype vans were always referred to as RATT RIGS and the operators  
were RATS or RATT0s.

73 de Bruce/KQ4TV

\*\*\*\*\*  
\* Bruce W. Martin Internet: martinbw@jackatak.raider.net \*  
\* 4558 Brooke Valley Dr. AOL: Dragon16 \*  
\* Hermitage TN 37076-2650 HAM Call: KQ4TV \*  
\* Voice: (615) 872-9942 Work: (615) 244-2022 \*  
\* FAX/MODEM: (615) 885-4182 \*  
\*\*\*\*\*

Date: Sat, 27 Nov 1993 14:36:15 GMT  
From: swrinde!emory!kd4nc!ke4zv!gary@network.ucsd.edu  
To: info-hams@ucsd.edu

References <1993Nov16.043632.12907@icaen.uiowa.edu>,  
<1993Nov23.194146.9573@es.dupont.com>, <1993Nov24.000437.11069@cnsvox.uwec.edu>  
Reply-To : gary@ke4zv.atl.ga.us (Gary Coffman)  
Subject : Re: Miss Manners in the Novice Sub-bands? G's silliness.

In article <1993Nov24.000437.11069@cnsvox.uwec.edu> whitemp@cnsvox.uwec.edu writes:

>

>The best way to see if something is a language, is do an MRI on a fellow,  
>and see if Brocha's (or is it Wernicke's...) and other speech processing  
>areas of the brain are active at the time of hearing the code. I would  
>believe that they are.

You could verbally \*spell\* the words to the person and their language centers would be active too, but that doesn't mean that spelling is a language. It's the natural language \*words\* being spelled that are units of language (when coupled with grammatical structure). Stepping back one level further to an aural encoding of the alphabet used to spell words, Morse is certainly even further divorced from language.

Gary

--

Gary Coffman KE4ZV	Where my job's going,	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	I don't know. It might	uunet!rsiatl!ke4zv!gary
534 Shannon Way	wind up in Mexico.	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-NAFTA Blues	

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Date: Sat, 27 Nov 1993 14:27:28 GMT  
From: swrinde!emory!kd4nc!ke4zv!gary@network.ucsd.edu  
To: info-hams@ucsd.edu

References <arog.753969080@BIX.com>, <1993Nov23.113409.29442@ke4zv.atl.ga.us>,  
<931125.44433.EDELLERS@delphi.com>  
Reply-To : gary@ke4zv.atl.ga.us (Gary Coffman)  
Subject : Re: CONELRAD-what was it?

In article <931125.44433.EDELLERS@delphi.com> Ed Ellers <EDELLERS@delphi.com> writes:

>Gary, they did have a few actual tests of CONELRAD for broadcast stations --  
>the idea was to run at very low power, so the lower efficiency at 640 or 1240  
>was not such a problem. The last such full-blown test as far as I know was in  
>late April 1961, right after the Bay of Pigs flap.

Before my time. I didn't start working in broadcast until 1964. Another maybe interesting bit of trivia, however. There was one AM station in the US that was authorized to run 500,000 watts in case of emergencies. It's a Cincinnati station, WLW, whose monster tower is north of the city on the right of I-75 as you're heading to Dayton. A former co-worker was a transmitter engineer there, and had some great pictures of the transmitter

plant. Seems the government wanted an alternative to CONELRAD where they could blanket the country, at night one assumes, with a single transmitter. The PA tubes are taller than a man.

Gary

--

Gary Coffman KE4ZV	Where my job's going,	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	I don't know. It might	uunet!rsiatl!ke4zv!gary
534 Shannon Way	wind up in Mexico.	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-NAFTA Blues	

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Date: 22 Nov 1993 16:28:49 GMT  
From: olivea!inews.intel.com!ilx018-bb.intel.com!ilx049!dbraun@uunet.uu.net  
To: info-hams@ucsd.edu

References <nimtz.1-161193082246@nimtziici.edmedia.nd.edu>,  
<103360208@hpfco.FC.HP.COM>, <CGq9uB.LAK@alsys.com>owl  
Reply-To : dbraun@iil.intel.com  
Subject : Re: Using modified HT in emergency

In article <CGq9uB.LAK@alsys.com>, garym@alsys.com (Gary Morris @ignite) writes:

|> Two weeks later, he got a letter from Bill Kahn (communications coordinator)  
|> for the SO, telling him to meet with Kahn and an FCC person. He was given  
|> the choice of having to ``forfeit'' or be prosecuted by the federal  
|> government.

He should have gone out and bought the most beat-up falling-apart old  
used HT he could find, and given them that...

--

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Doug Braun       Intel Israel, Ltd.       M/S: IDC1-41  
                 Tel: 011-972-4-655069       dbraun@inside.intel.com

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End of Info-Hams Digest V93 #1394

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